

P A T E N T   C L A I M S .

1. Device for a security system on an installation in  
5 connection with operation of a habitat (10) in which an  
object that carries out work which results in heat  
generation, such as flames, sparks and the like, is  
isolated from the surroundings, and where an overpressure  
of air is set up inside the habitat (10) to prevent ingress  
10 of flammable gases, and comprising systems for supply of  
electricity and overpressure air to the equipment inside  
the habitat, and also an alarm system that can warn of  
irregularities and the like,  
characterised in

15 that the safety system comprises a shut-down central  
(30) to which is connected;  
a number of detectors (32-38) placed in or adjacent to  
the habitat, and which can register parameters such as  
gases, temperatures, changes in temperature as well as  
20 pressure conditions adjacent to and/or inside the habitat,  
and  
and the shut-down central (30) is arranged to shut  
down operation of the heat generating equipment when  
irregularities arise in the operation of the habitat.

25 2. Device in accordance with claim 1,  
characterised in that the shut-down central (30) shuts down  
the mentioned operation by shutting off the supply of  
electricity and air to the heat generating equipment.

30 3. Device in accordance with claims 1-2,  
characterised in that the shut-down central (30) is  
connected to the installation's own safety system, and  
thereby also arranged to override the shut-down central's  
35 (30) control of the habitat.

4. Device in accordance with claims 1-3,  
characterised in that the installation's safety system is  
arranged to monitor all the habitat's functions.
- 5 5. Device in accordance with one of the preceding claims,  
characterised in that the shut-down central (30) is  
electrically connected to the installation.
- 10 6. Device in accordance with one of the preceding claims,  
characterised in that a detector in or adjacent to the  
compressed air inlet of the habitat is connected to the  
shut-down central (30) to control (and possibly be able to  
shut off) the air supply, said compressed air is provided  
by an itself known method by a fan or a compressor or the  
15 like.
- 20 7. Device in accordance with claim 6,  
characterised in that the installation's (10) compressed  
air system supplies overpressure air to the habitat (10),  
and the compressed air inlet of the habitat comprises a  
detector arranged to function according to claim 2.
- 25 8. Device in accordance with claims 6-7,  
characterised in that the overpressure system of the  
habitat (10) is connected (20) to (gets compressed air  
from) the installation's compressed air plant.
- 30 9. Device in accordance with one of the preceding claims,  
characterised in that a pressure measuring instrument  
(such as a manometer) inside the habitat is connected to  
the shut-down central (30) which can then react/warn when  
the pressure in the habitat falls below a certain given  
pressure, or when one gets a sudden drop in pressure that  
exceeds a given value per unit time inside the habitat.  
35
10. Device in accordance with one of the preceding claims,  
characterised in that the safety systems of the habitat  
and the installation are connected together such that the

installation's own control system can monitor all the habitat functions, for example, by way of the shut-down central (30), and is arranged to shut off the electricity supply when something abnormal arises inside the habitat.